Christine DeLorenzo

List of Publications by Year
in descending order

77 papers	**1,877** citations
279798 **23** h-index	289244 **40** g-index
78 all docs	**78** docs citations
78 times ranked	**2983** citing authors

#	Article	IF	Citations
1	The 5-HT1A receptor in Major Depressive Disorder. European Neuropsychopharmacology, 2016, 26, 397-410.	0.7	138
2	Test–retest reliability of freesurfer measurements within and between sites: Effects of visual approval process. Human Brain Mapping, 2015, 36, 3472-3485.	3.6	136
3	Ketamine-induced reduction in mGluR5 availability is associated with an antidepressant response: an [11C]ABP688 and PET imaging study in depression. Molecular Psychiatry, 2018, 23, 824-832.	7.9	108
4	Antidepressant Treatment Reduces Serotonin-1A Autoreceptor Binding in Major Depressive Disorder. Biological Psychiatry, 2013, 74, 26-31.	1.3	101
5	In Vivo Ketamine-Induced Changes in [11C]ABP688 Binding to Metabotropic Glutamate Receptor Subtype 5. Biological Psychiatry, 2015, 77, 266-275.	1.3	82
6	*In Vivo* Quantification of Human Serotonin 1A Receptor Using ^{11}C-CUMI-101, an Agonist PET Radiotracer. Journal of Nuclear Medicine, 2010, 51, 1892-1900.	5.0	80
7	*in vivo* Variation in Metabotropic Glutamate Receptor Subtype 5 Binding Using Positron Emission Tomography and [^{11}C]ABP688. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2169-2180.	4.3	70
8	Pretreatment and early-treatment cortical thickness is associated with SSRI treatment response in major depressive disorder. Neuropsychopharmacology, 2018, 43, 2221-2230.	5.4	61
9	Quantification of the Serotonin 1A Receptor Using PET: Identification of a Potential Biomarker of Major Depression in Males. Neuropsychopharmacology, 2015, 40, 1692-1699.	5.4	58
10	In vivo positron emission tomography imaging with [11C]ABP688: binding variability and specificity for the metabotropic glutamate receptor subtype 5 in baboons. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 1083-1094.	6.4	57
11	Synthesis of Patient-Specific Transmission Data for PET Attenuation Correction for PET/MRI Neuroimaging Using a Convolutional Neural Network. Journal of Nuclear Medicine, 2019, 60, 555-560.	5.0	50
12	In vivo variation in same-day estimates of metabotropic glutamate receptor subtype 5 binding using [^{11}C]ABP688 and [^{18}F]FPEB. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2716-2727.	4.3	49
13	Prediction of Selective Serotonin Reuptake Inhibitor Response Using Diffusion-Weighted MRI. Frontiers in Psychiatry, 2013, 4, 5.	2.6	47
14	A COMPREHENSIVE EXAMINATION OF WHITE MATTER TRACTS AND CONNECTOMETRY IN MAJOR DEPRESSIVE DISORDER. Depression and Anxiety, 2016, 33, 56-65.	4.1	43
15	Full–count PET recovery from low–count image using a dilated convolutional neural network. Medical Physics, 2020, 47, 4928-4938.	3.0	39
16	Modeling Considerations for *In Vivo* Quantification of the Dopamine Transporter using [^{11}C]PE2I and Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1332-1345.	4.3	36
17	Characterization of brain mGluR5 binding in a pilot study of late-life major depressive disorder using positron emission tomography and [11C]ABP688. Translational Psychiatry, 2015, 5, e693-e693.	4.8	35
18	Metabotropic Glutamatergic Receptor 5 and Stress Disorders: Knowledge Gained From Receptor Imaging Studies. Biological Psychiatry, 2018, 84, 95-105.	1.3	35

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19	Development and evaluation of a multimodal marker of major depressive disorder. Human Brain Mapping, 2018, 39, 4420-4439.	3.6	35
20	Volumetric Intraoperative Brain Deformation Compensation: Model Development and Phantom Validation. IEEE Transactions on Medical Imaging, 2012, 31, 1607-1619.	8.9	31
21	Image-Guided Intraoperative Cortical Deformation Recovery Using Game Theory: Application to Neocortical Epilepsy Surgery. IEEE Transactions on Medical Imaging, 2010, 29, 322-338.	8.9	30
22	A comparison of structural connectivity in anxious depression versus non-anxious depression. Journal of Psychiatric Research, 2017, 89, 38-47.	3.1	30
23	Non-invasive assessment of radiation injury with electrical impedance spectroscopy. Physics in Medicine and Biology, 2004, 49, 665-683.	3.0	26
24	Kappa opioid receptor binding in major depression: A pilot study. Synapse, 2018, 72, e22042.	1.2	26
25	Voxel-based logistic analysis of PPMI control and Parkinson's disease DaTscans. NeuroImage, 2017, 152, 299-311.	4.2	25
26	Orbitofrontal Cortex Activity and Connectivity Predict Future Depression Symptoms in Adolescence. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 610-618.	1.5	21
27	SEP-225289 Serotonin and Dopamine Transporter Occupancy: A PET Study. Journal of Nuclear Medicine, 2011, 52, 1150-1155.	5.0	20
28	In Vivo Brain Imaging, Biodistribution, and Radiation Dosimetry Estimation of [11C]Celecoxib, a COX-2 PET Ligand, in Nonhuman Primates. Molecules, 2018, 23, 1929.	3.8	20
29	Higher 5-HT1A autoreceptor binding as an endophenotype for major depressive disorder identified in high risk offspring â€" A pilot study. Psychiatry Research - Neuroimaging, 2018, 276, 15-23.	1.8	19
30	Reduced cortical thickness in World Trade Center responders with cognitive impairment. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12059.	2.4	19
31	From medical image computing to computerâ€aided intervention: development of a research interface for imageâ€guided navigation. International Journal of Medical Robotics and Computer Assisted Surgery, 2009, 5, 147-157.	2.3	17
32	Relationship of the serotonin transporter gene promoter polymorphism (5-HTTLPR) genotype and serotonin transporter binding to neural processing of negative emotional stimuli. Journal of Affective Disorders, 2016, 190, 494-498.	4.1	17
33	Cortical thickness is not associated with current depression in a clinical treatment study. Human Brain Mapping, 2017, 38, 4370-4385.	3.6	17
34	Depression Severity Over 27 Months in Adolescent Girls Is Predicted by Stress-Linked Cortical Morphology. Biological Psychiatry, 2019, 86, 769-778.	1.3	16
35	Quantification of Positron Emission Tomography Data Using Simultaneous Estimation of the Input Function: Validation with Venous Blood and Replication of Clinical Studies. Molecular Imaging and Biology, 2019, 21, 926-934.	2.6	16
36	Nonrigid 3D Brain Registration Using Intensity/Feature Information. Lecture Notes in Computer Science, 2006, 9, 932-939.	1.3	14

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37	A new method for assessing PET-MRI coregistration. Proceedings of SPIE, 2009, , .	0.8	13
38	[11C]Harmine Binding to Brain Monoamine Oxidase A: Test-Retest Properties and Noninvasive Quantification. Molecular Imaging and Biology, 2018, 20, 667-681.	2.6	13
39	Diffusion Entropy: A Potential Neuroimaging Biomarker of Bipolar Disorder in the Temporal Pole. Synapse, 2018, 72, e22015.	1.2	13
40	Relations between cortical thickness, serotonin 1 A receptor binding, and structural connectivity: A multimodal imaging study. Human Brain Mapping, 2018, 39, 1043-1055.	3.6	13
41	Measuring the effects of ketamine on mGluR5 using [^{18}F]FPEB and PET. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2254-2264.	4.3	13
42	Neuroinflammation in World Trade Center responders at midlife: A pilot study using [18F]-FEPPA PET imaging. Brain, Behavior, & Immunity - Health, 2021, 16, 100287.	2.5	13
43	Examining raphe-amygdala structural connectivity as a biological predictor of SSRI response. Journal of Affective Disorders, 2019, 256, 8-16.	4.1	12
44	Structural correlates of the orbitofrontal cortex and amygdala and personality in female adolescents. Psychophysiology, 2019, 56, e13376.	2.4	12
45	Examining the underpinnings of loudness dependence of auditory evoked potentials with positron emission tomography. NeuroImage, 2020, 213, 116733.	4.2	12
46	Measuring brain glucose metabolism in order to predict response to antidepressant or placebo: A randomized clinical trial. NeuroImage: Clinical, 2021, 32, 102858.	2.7	12
47	Will imaging individual raphe nuclei in males with major depressive disorder enhance diagnostic sensitivity and specificity?. Depression and Anxiety, 2018, 35, 411-420.	4.1	11
48	Prediction of lithium treatment response in bipolar depression using 5-HTT and 5-HT1A PET. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2417-2428.	6.4	10
49	Selective hippocampal subfield volume reductions in World Trade Center responders with cognitive impairment. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12165.	2.4	10
50	Decreased Pretreatment Amygdalae Serotonin Transporter Binding in Unipolar Depression Remitters: A Prospective PET Study. Journal of Nuclear Medicine, 2018, 59, 665-670.	5.0	9
51	Lack of association between the serotonin transporter and serotonin 1A receptor: an in vivo PET imaging study in healthy adults. Psychiatry Research - Neuroimaging, 2016, 255, 81-86.	1.8	8
52	A positron emission tomography study of the serotonergic system in relation to anxiety in depression. European Neuropsychopharmacology, 2017, 27, 1011-1021.	0.7	8
53	Brief Computerâ€Based Information Processing Measures are Linked to White Matter Integrity in Pediatricâ€Onset Multiple Sclerosis. Journal of Neuroimaging, 2019, 29, 140-150.	2.0	8
54	An improved data acquisition method for electrical impedance tomography. Physiological Measurement, 2001, 22, 31-38.	2.1	7

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55	Nonrigid Intraoperative Cortical Surface Tracking Using Game Theory. , 2007, , .		7
56	Molecular connectivity disruptions in males with major depressive disorder. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1623-1634.	4.3	7
57	A Comprehensive System for Intraoperative 3D Brain Deformation Recovery. , 2007, 10, 553-561.		7
58	Intrinsic neural circuitry of depression in adolescent females. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2020, 61, 480-491.	5.2	6
59	Examination of structural brain changes in recent suicidal behavior. Psychiatry Research - Neuroimaging, 2021, 307, 111216.	1.8	6
60	In vivo PET Imaging of [11C]CIMBI-5, a 5-HT2AR Agonist Radiotracer in Nonhuman Primates. Journal of Pharmacy and Pharmaceutical Sciences, 2019, 22, 352-364.	2.1	5
61	Noise contamination from <scp>PET</scp> blood sampling pump: Effects on structural <scp>MRI</scp> image quality in simultaneous <scp>PET</scp>/<scp>MR</scp> studies. Medical Physics, 2018, 45, 678-686.	3.0	4
62	Structural Connectivity Between Rostral Anterior Cingulate Cortex and Amygdala Predicts First Onset of Depressive Disorders in Adolescence. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 249-255.	1.5	4
63	Quantifying serotonin transporters by PET with [¹¹C]â€ÐASB before and after interferonâ€Î± treatment. Synapse, 2014, 68, 548-555.	1.2	3
64	The importance of identifying functional Val158Met polymorphism in catechol-O- Methyltransferase when assessing MRI-based volumetric measurements in major depressive disorder. Brain Imaging and Behavior, 2020, 14, 2762-2770.	2.1	3
65	Fully Quantitative Pretreatment Brain Metabolism Does Not Predict Depression Response to Escitalopram or Placebo, a Randomized Trial. Biological Psychiatry, 2021, 89, S357-S358.	1.3	2
66	A REALISTIC BRAIN PHANTOM FOR 3D DEFORMATION RECOVERY. , 2007, , .		1
67	933. Entropy Analysis Shows Temporal Pole Diffusivity Changes in Bipolar Disorder. Biological Psychiatry, 2017, 81, S377-S378.	1.3	1
68	In vivo variation in metabotropic glutamate receptor subtype 5 binding using [11C]ABP688. NeuroImage, 2010, 52, S17.	4.2	0
69	602. PET Imaging of Individual Raphe Nuclei in Major Depressive Disorder: Physiologic Insight and Diagnostic Utility. Biological Psychiatry, 2017, 81, S243-S244.	1.3	0
70	261. Assessing Pretreatment Multimodal Neuroimaging Markers of Lithium Treatment Response in Bipolar Depression. Biological Psychiatry, 2017, 81, S107-S108.	1.3	0
71	603. Post-Treatment Changes in Hippocampus Metabolism and Diffusivity Assessed by PET/MR following Electroconvulsive Therapy. Biological Psychiatry, 2017, 81, S244.	1.3	0
72	176. Evidence of Differential Changes in Cortical Thickness and Volume Between SSRI and Placebo Treated Patients With Major Depressive Disorder. Biological Psychiatry, 2018, 83, S71.	1.3	0

#	Article	IF	Citations
73	O3. Depression Severity Over 18 Months in Adolescent Girls is Associated With Stress-Linked Cortical Morphometry. Biological Psychiatry, 2018, 83, S109.	1.3	0
74	S3. Visualizing the Cholinergic System in Health and Disease. Biological Psychiatry, 2019, 85, S297-S298.	1.3	0
75	Exploring Possible Sex Difference in Raphe Nuclei Metabolism in Major Depressive Disorder. Biological Psychiatry, 2020, 87, S287.	1.3	0
76	Hierarchical MAP Denoising of Longitudinal Hamilton Depression Rating Scores. , 2021, 2021, 1389-1394.		0
77	P340. Altered Mu Opioid Receptor Binding Potential in Adults With a History of Childhood Maltreatment. Biological Psychiatry, 2022, 91, S225.	1.3	0